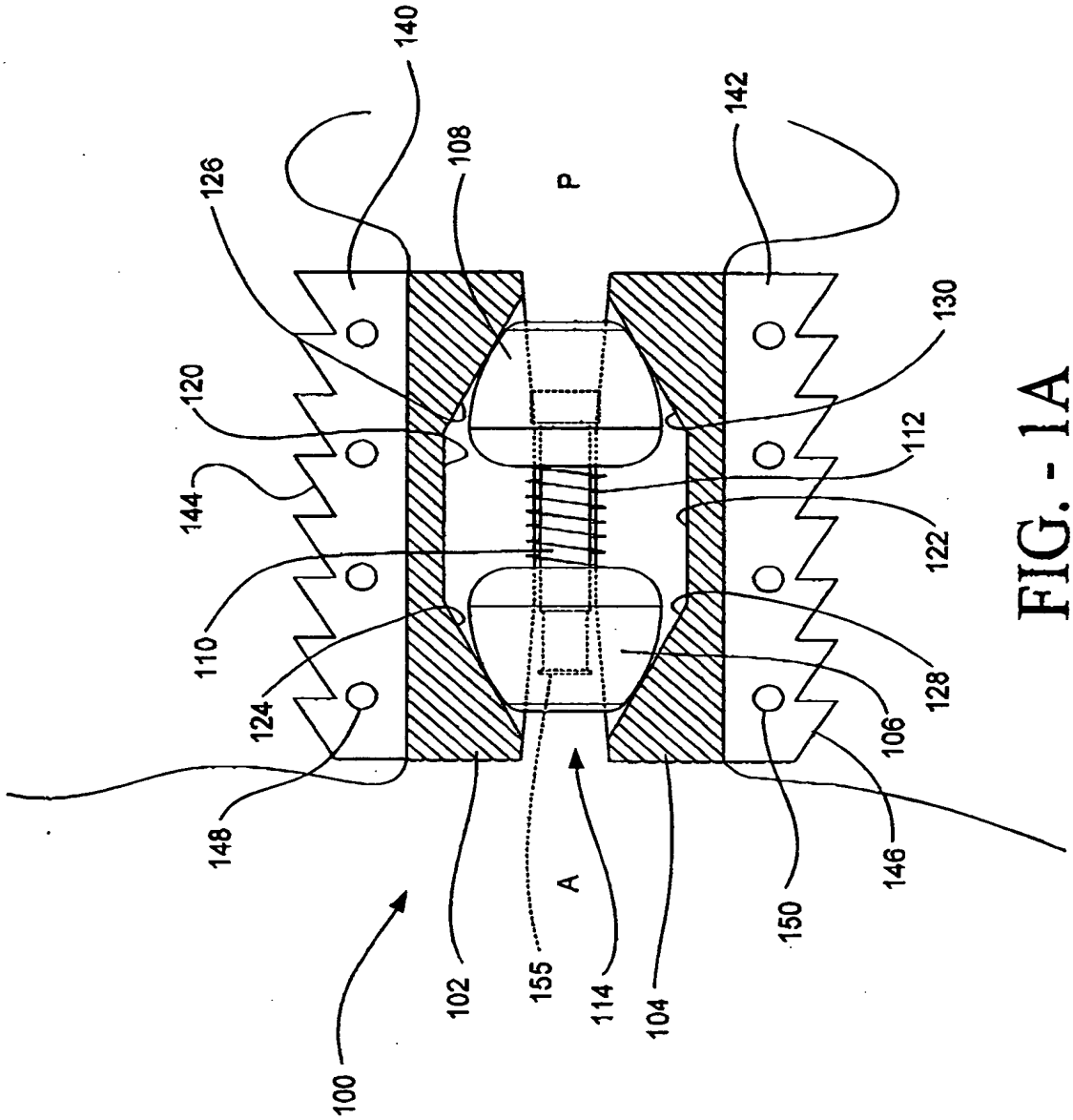
140
142
108
P
126
130
120
112
144
122
110
128
124
106
148
146
150
A
102
155
114
104
100

FIG. - 1A

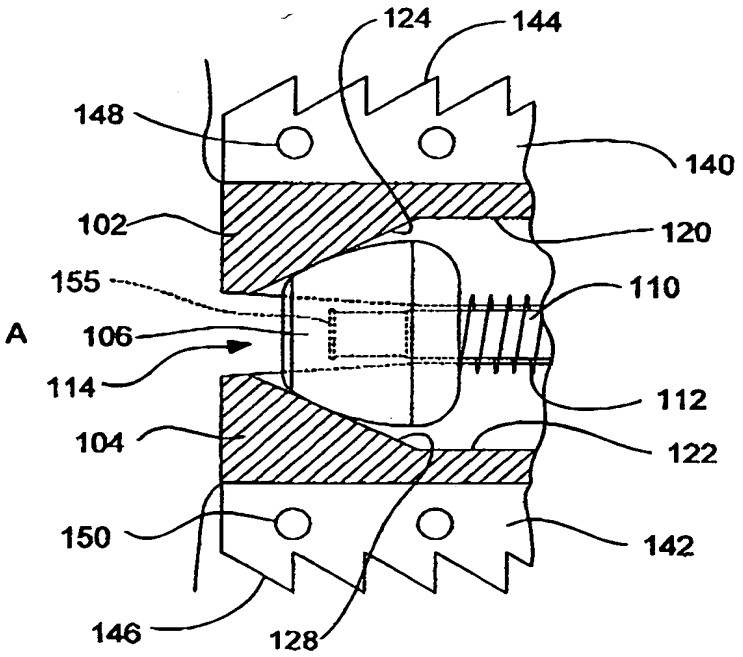
124
144
148
140
102
120
155
110
A
106
114
112
104
122
150
142
146
128

FIG. - 1B

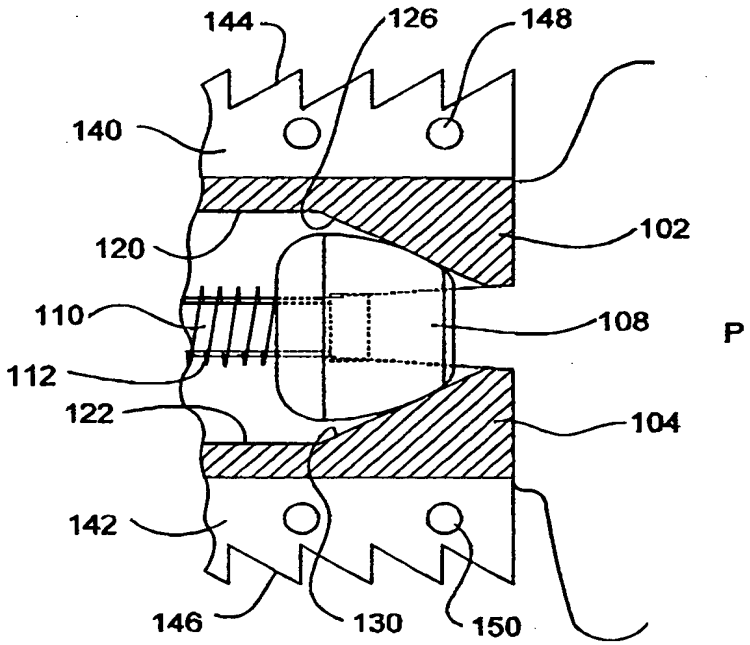
144
126
148
140
120
102
110
108
P
112
122
104
142
146
130
150

FIG. - 1C

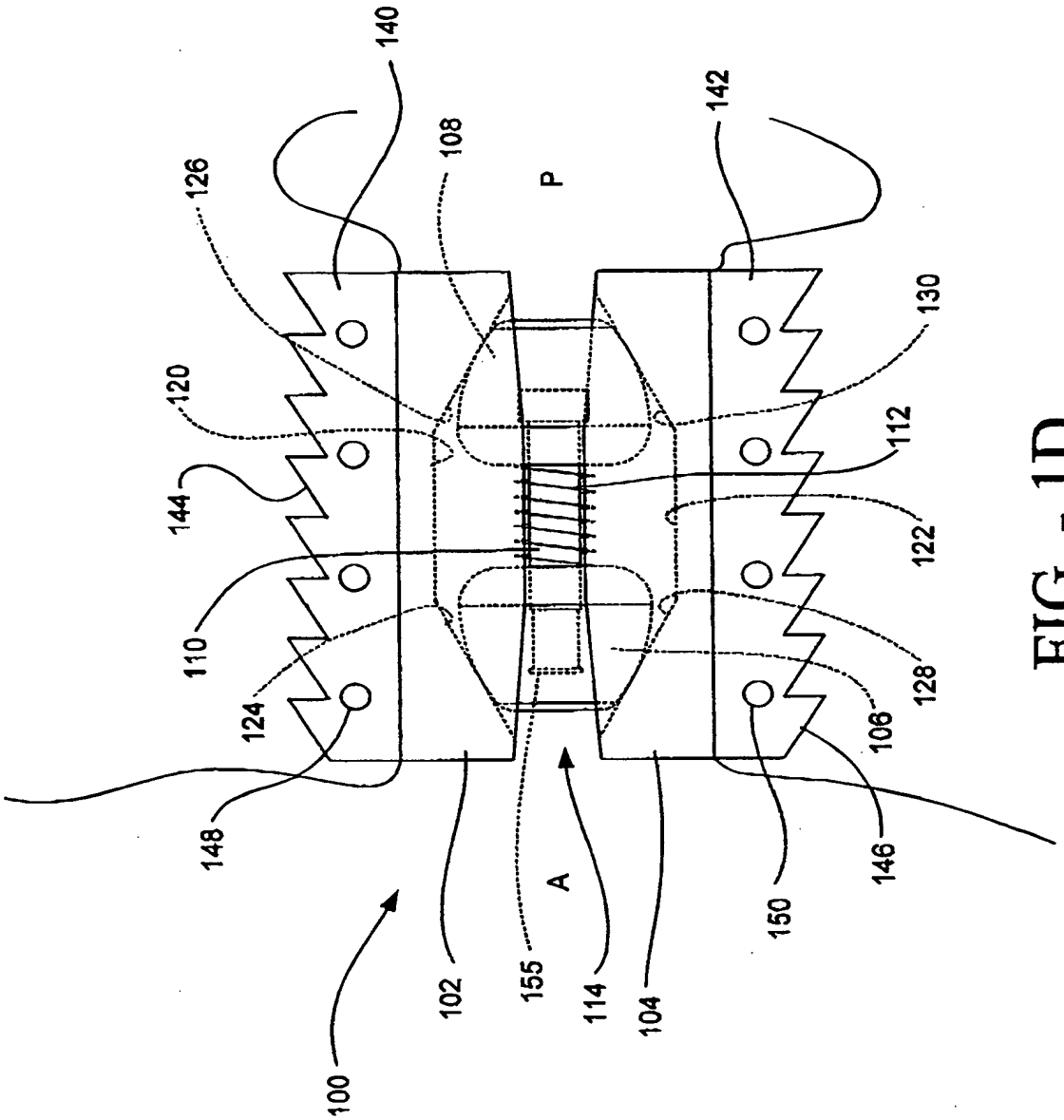
140
142
108
P
126
130
120
112
144
122
110
128
124
106
148
146
150
A
102
155
114
104
100

FIG. - 1D

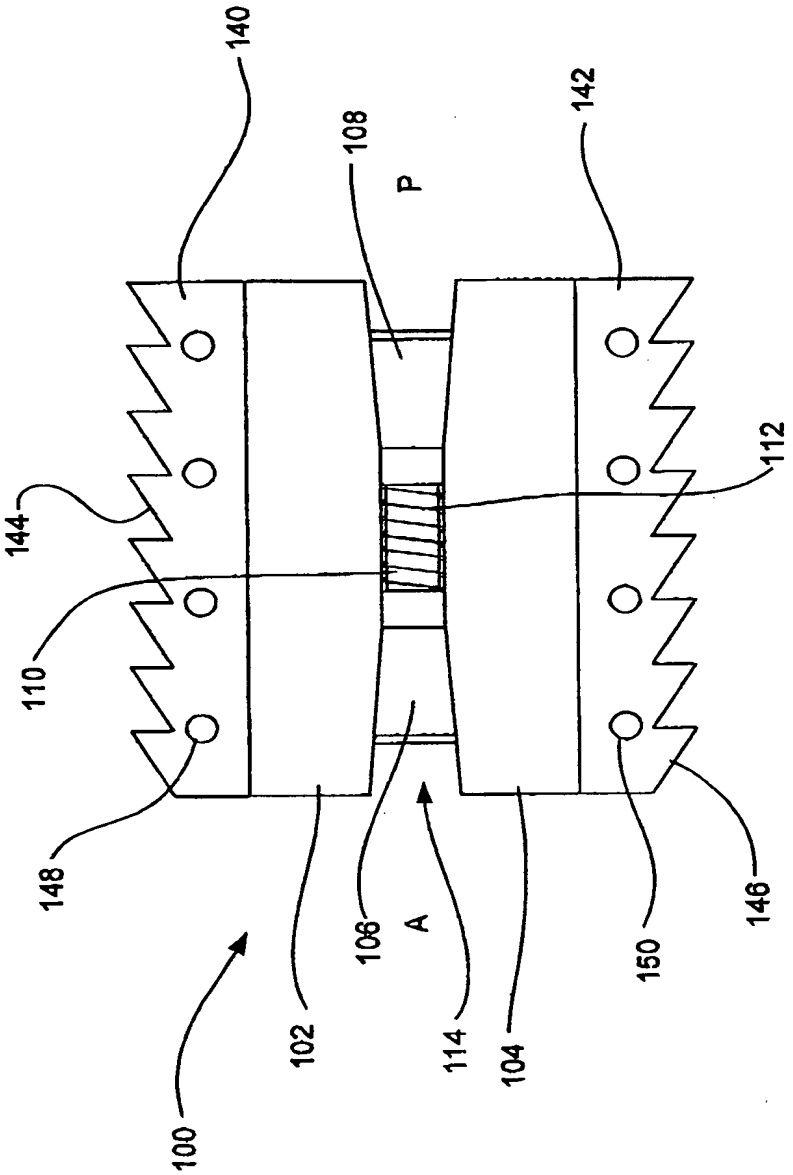

FIG. - 1E

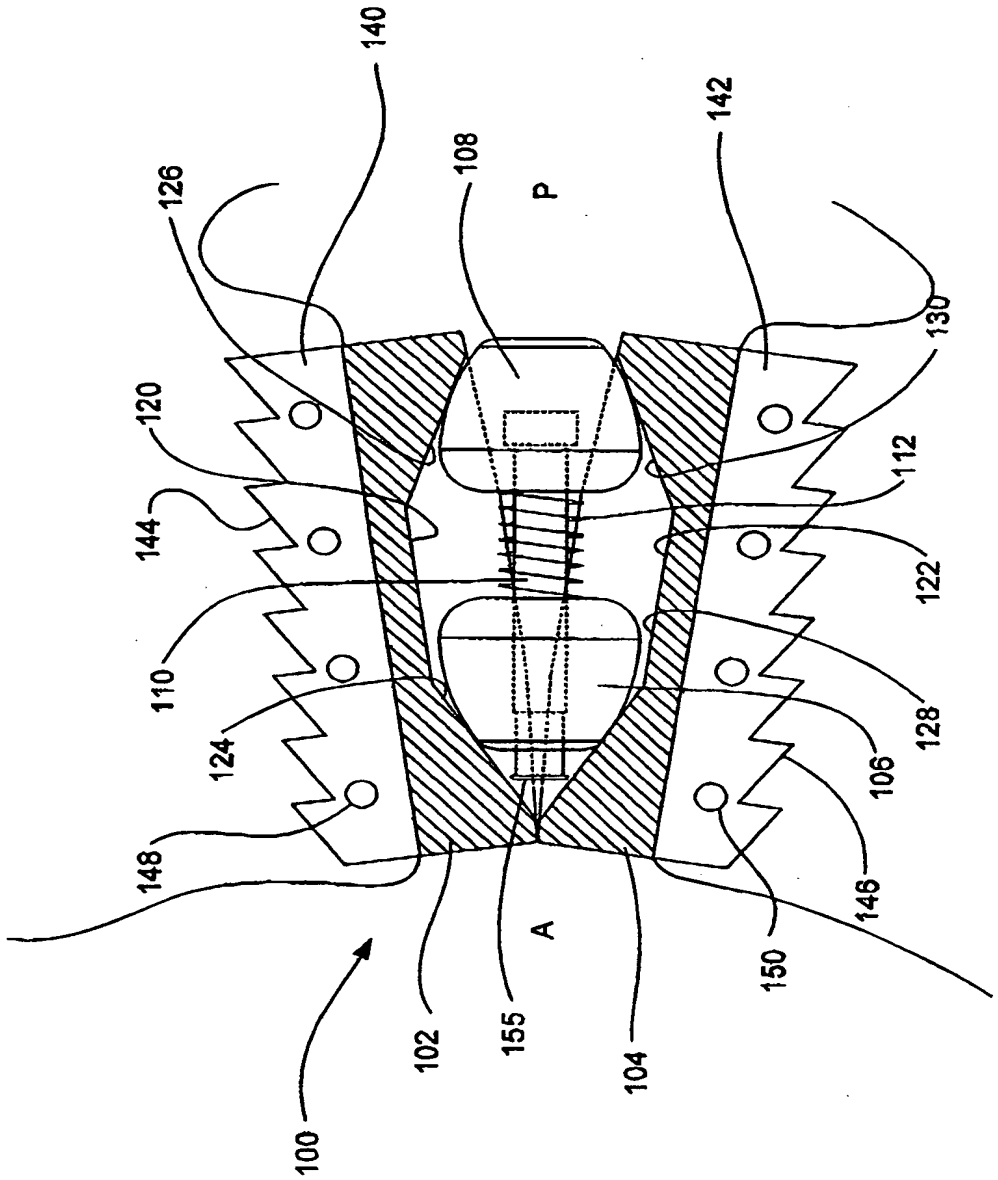
140
142
108
P
126
130
120
112
144
122
110
128
124
106
148
146
150
A
102
155
104
100

FIG. - 2A

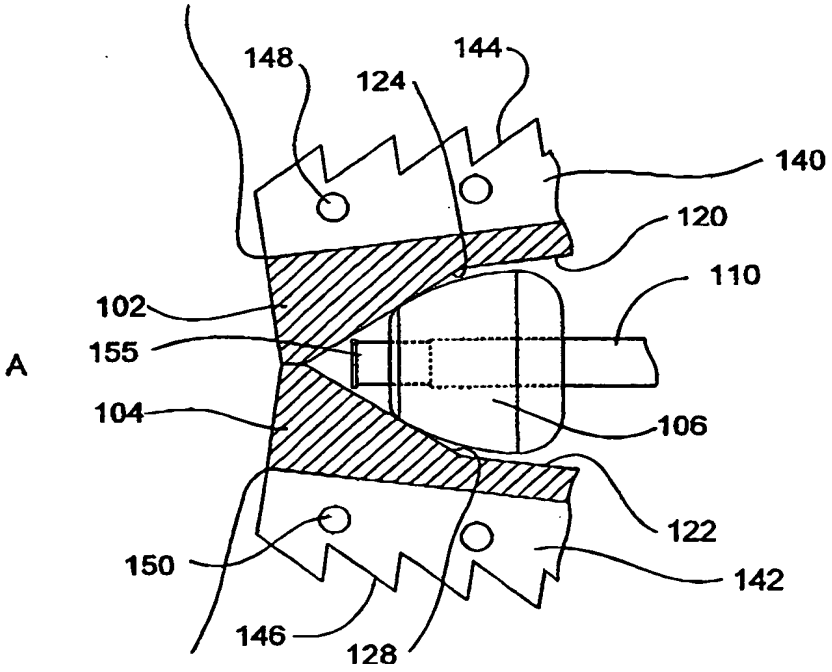
148
124
144
140
120
110
102
155
A
104
106
122
150
142
146
128

FIG. - 2B

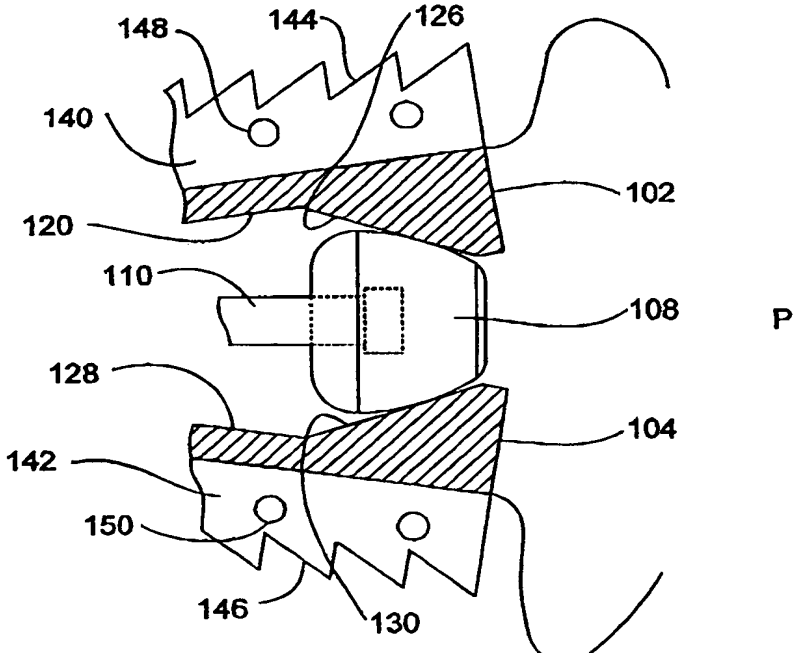
148
144
126
140
102
120
110
108
P
128
104
142
150
146
130

FIG. - 2C

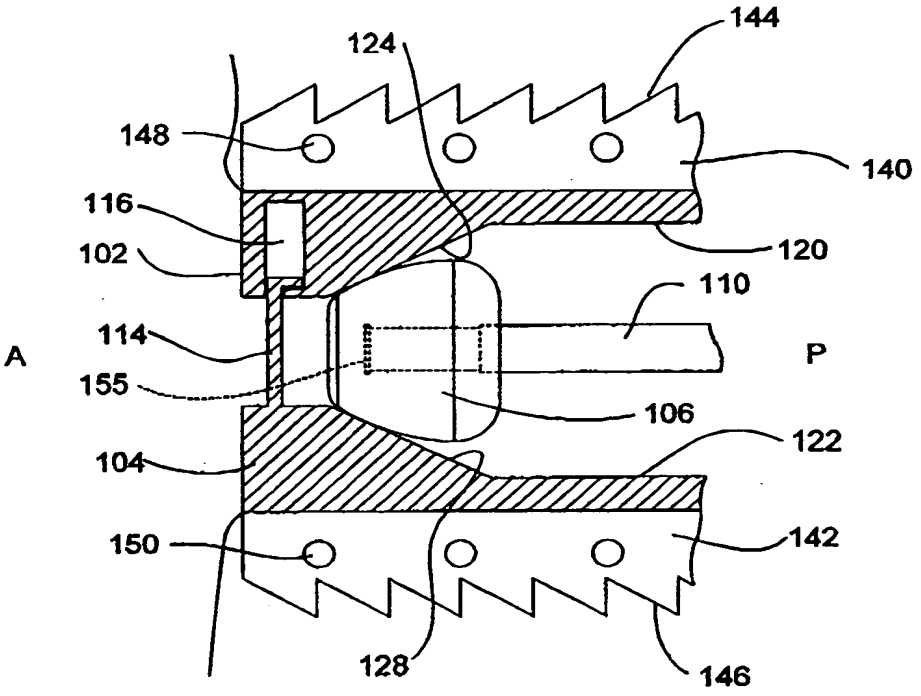
144
124
148
140
116
120
102
110
114
A
P
155
106
122
104
150
142
128
146

FIG. - 3A

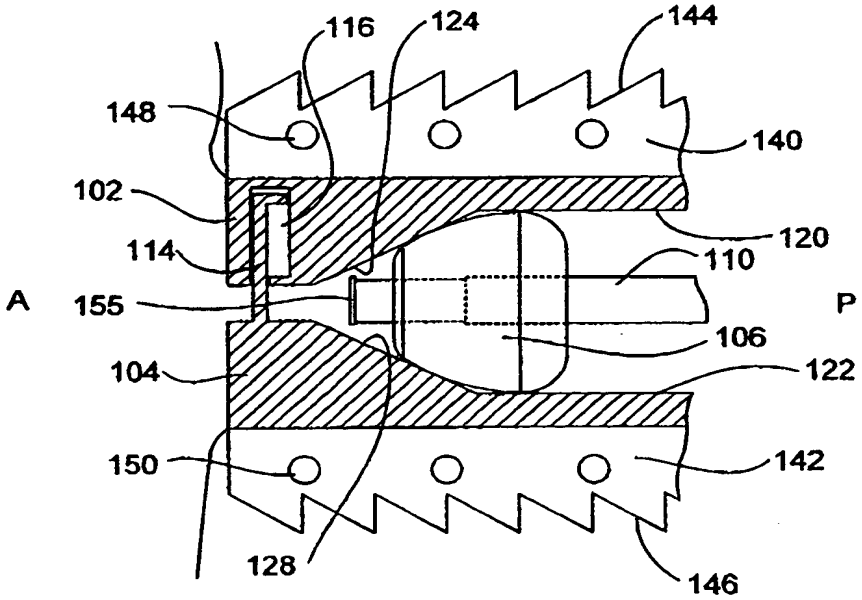
116
124
144
148
140
102
120
114
110
A
155
P
106
104
122
150
142
128
146

FIG. - 3B

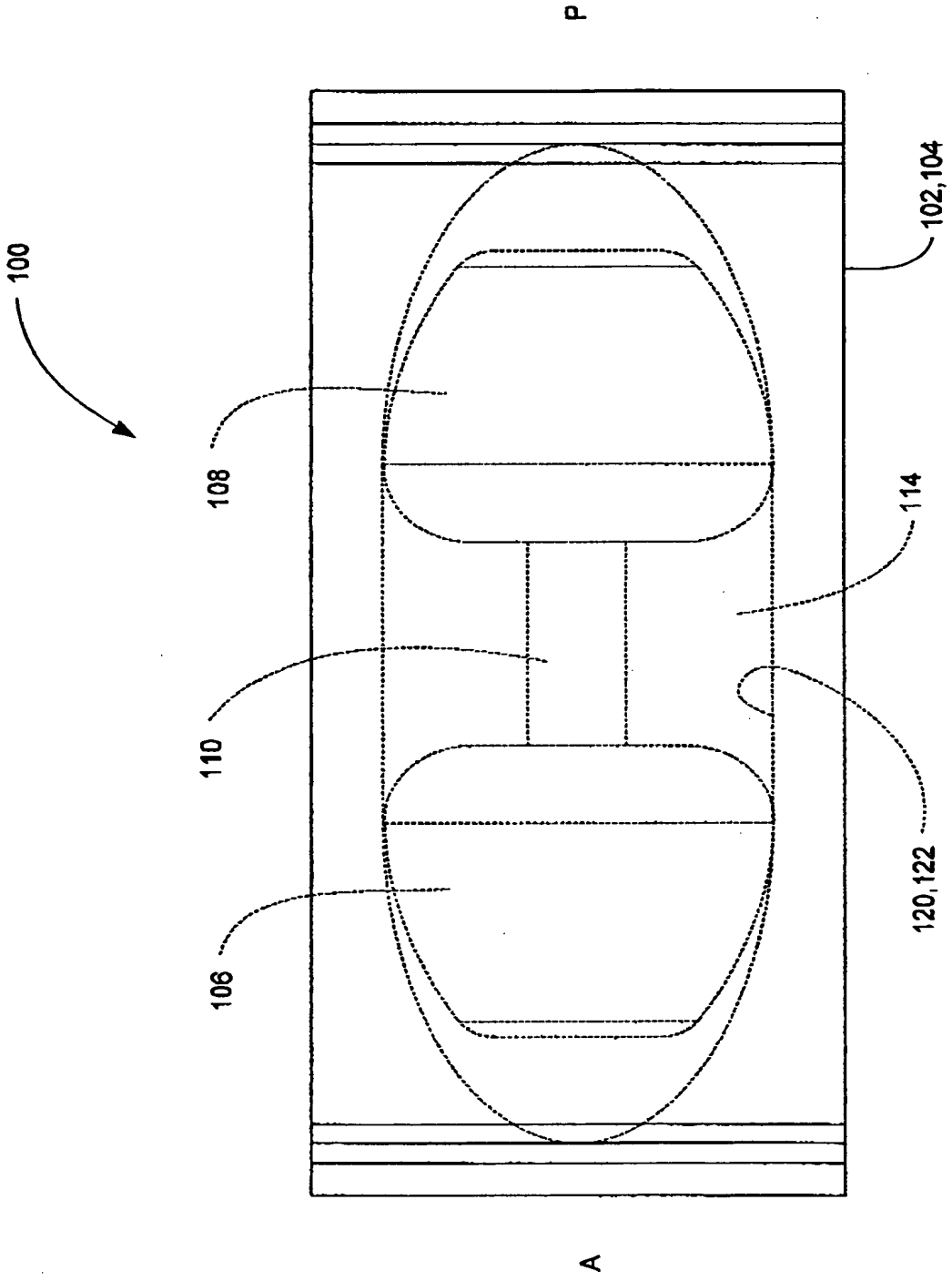

FIG. - 4

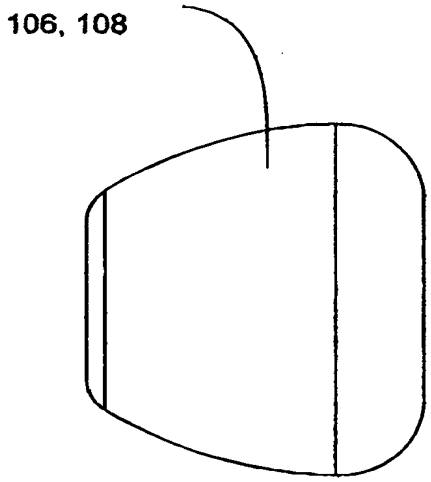

FIG. - 5A

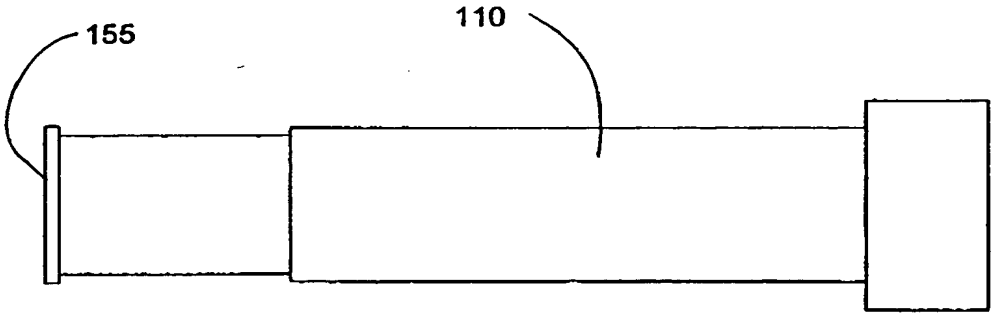

FIG. - 5B

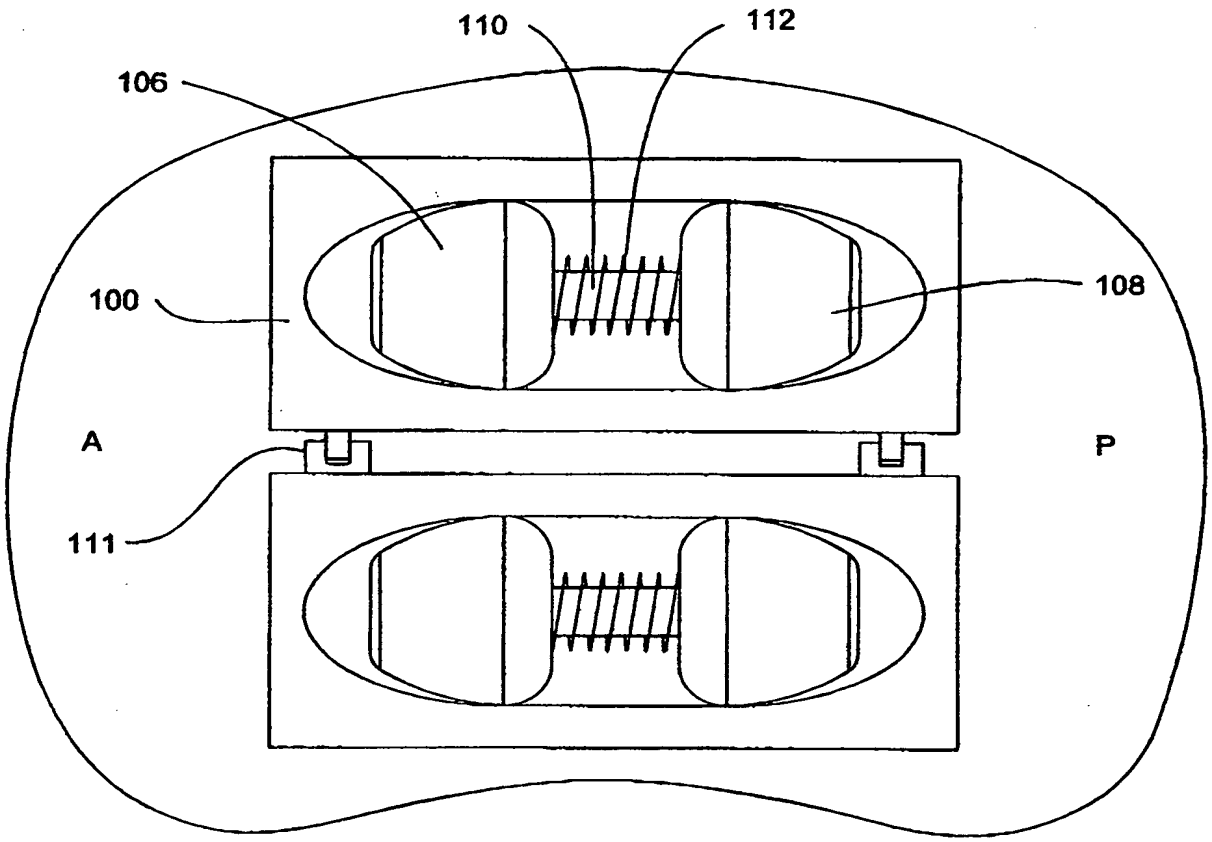

FIG. - 6A

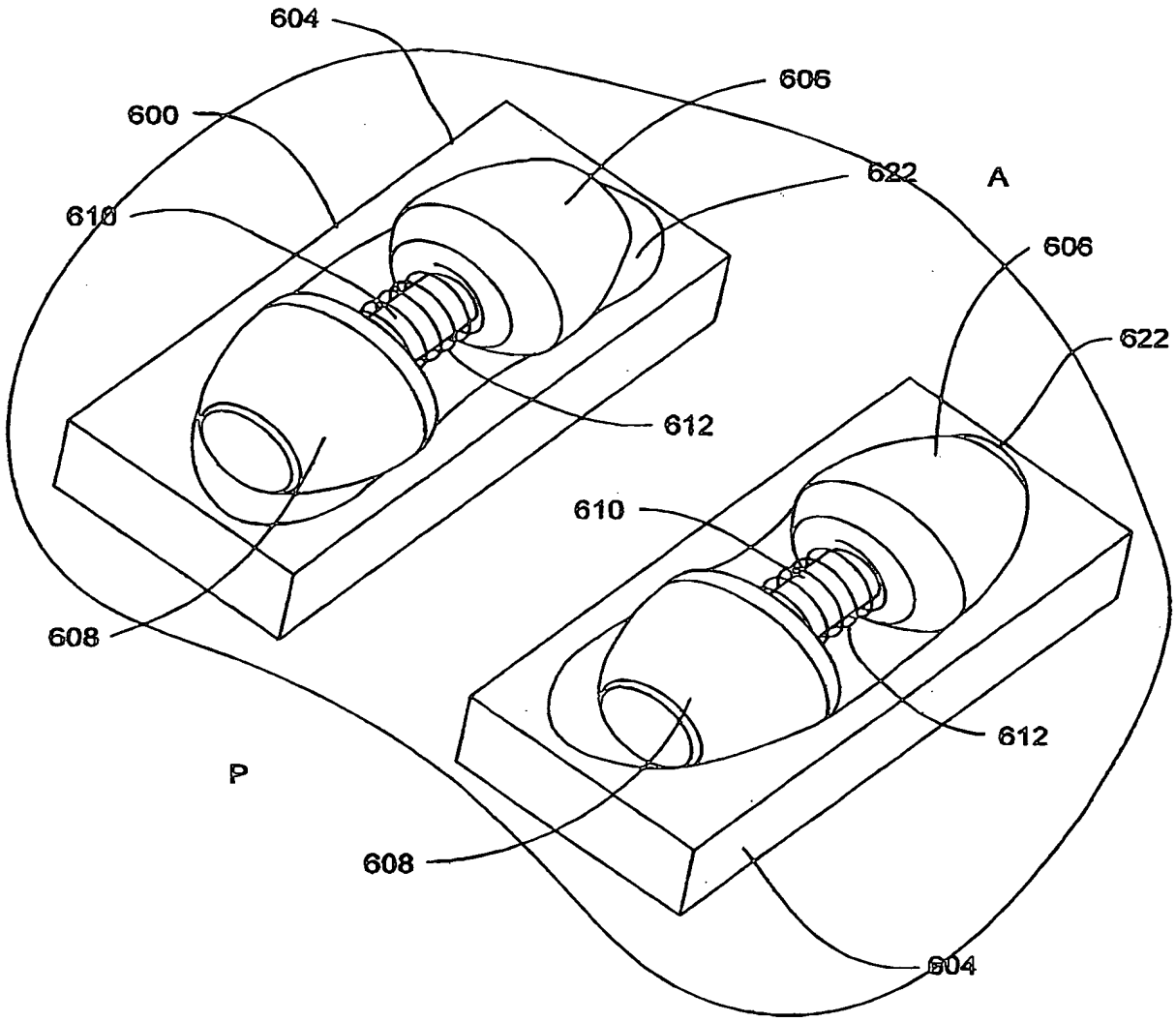

FIG. - 6B

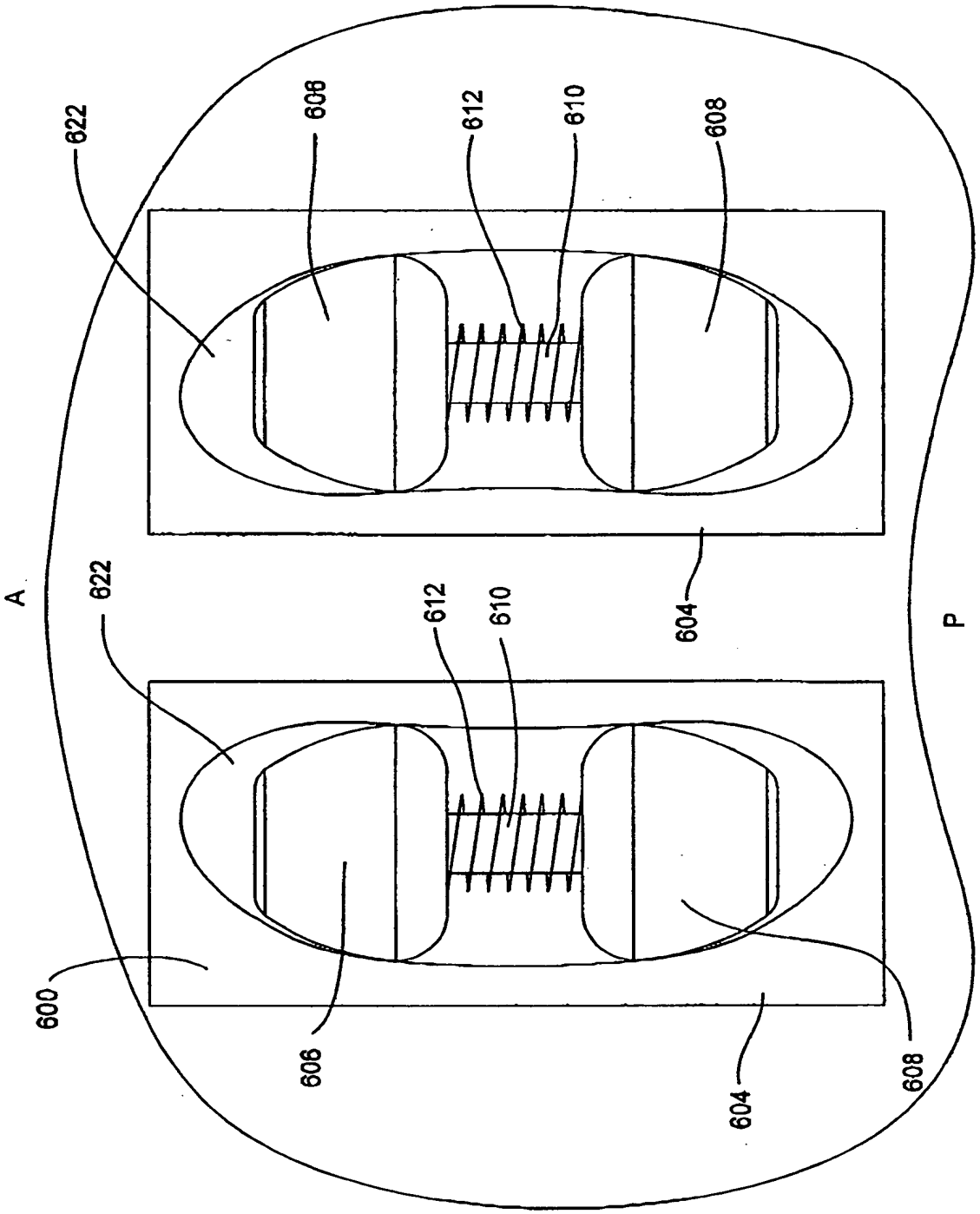

FIG. - 6C

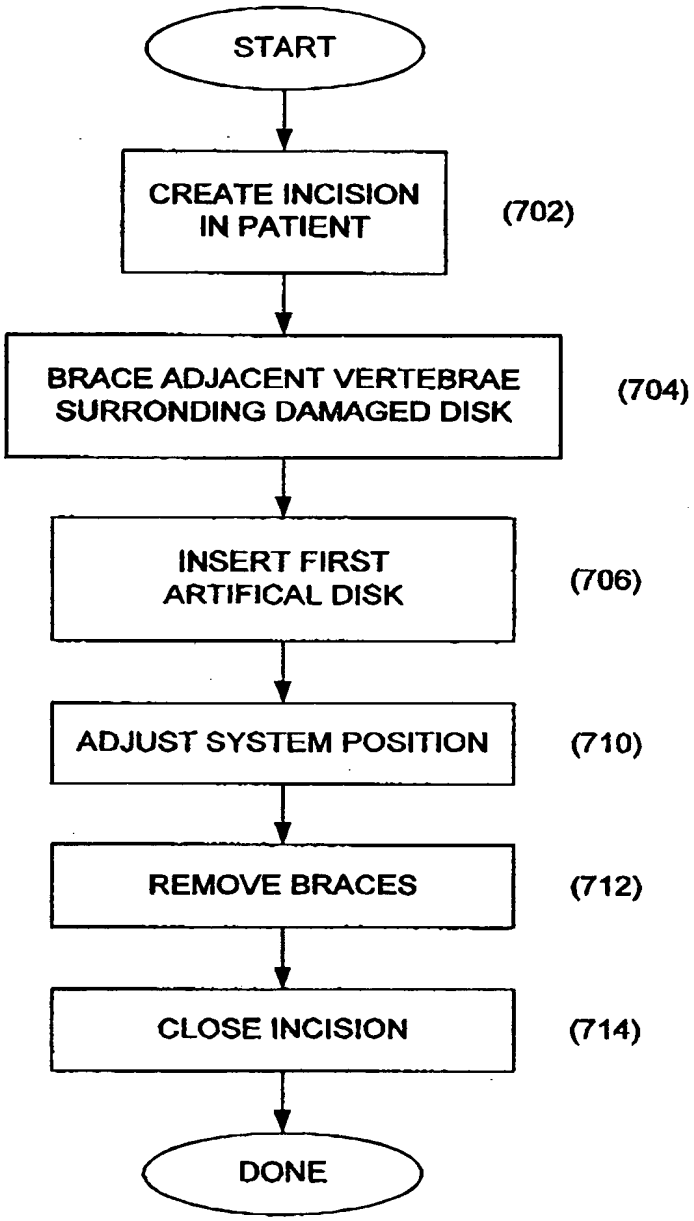
START
CREATE INCISION IN PATIENT
(702)
BRACE ADJACENT VERTEBRAE SURRONDING DAMAGED DISK
(704)
INSERT FIRST ARTIFICAL DISK
(706)
ADJUST SYSTEM POSITION
(710)
REMOVE BRACES
(712)
CLOSE INCISION
(714)
DONE

FIG. - 7

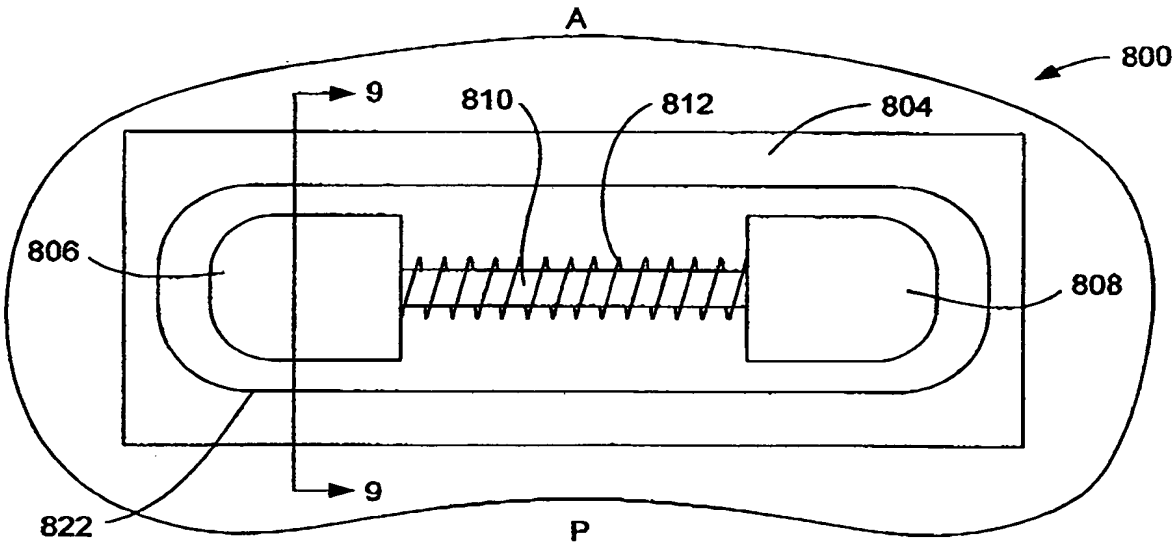

FIG. - 8

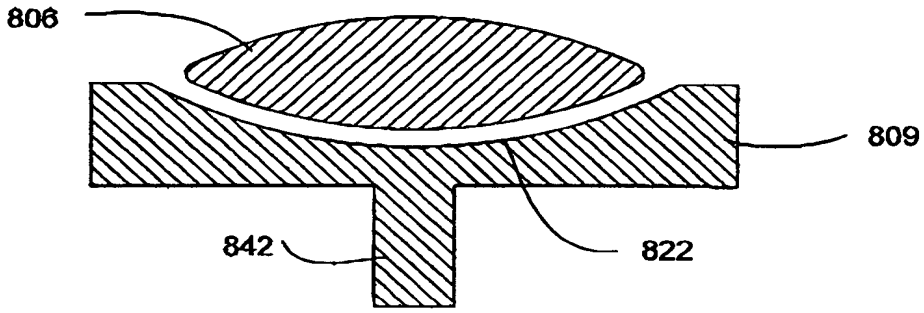

FIG. - 9

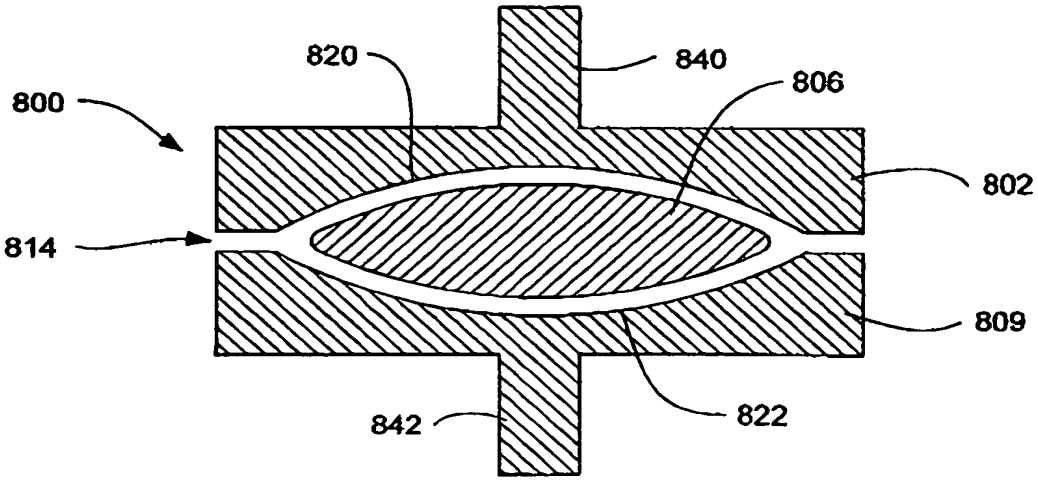

FIG. - 10

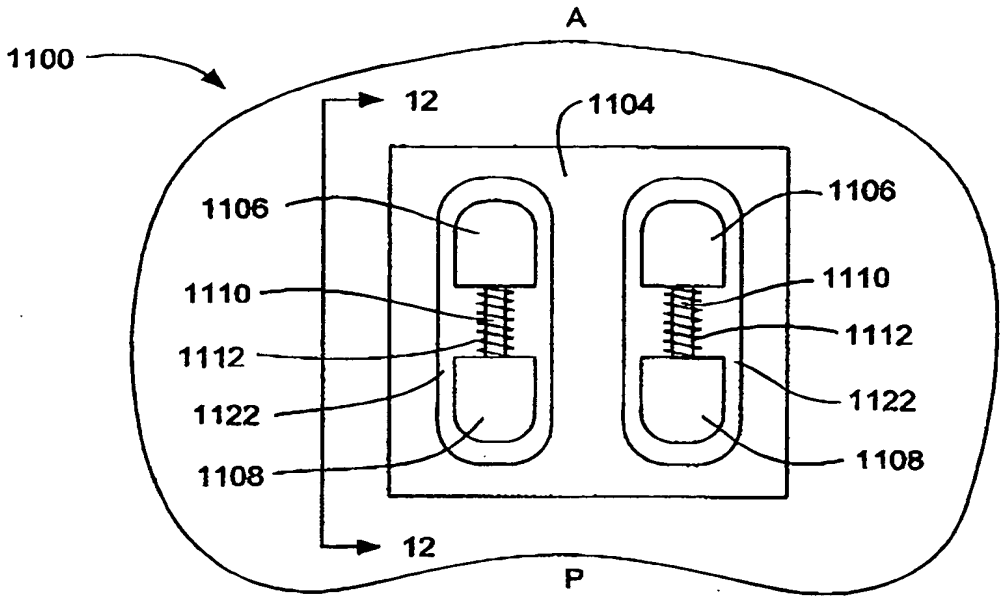

FIG. - 11

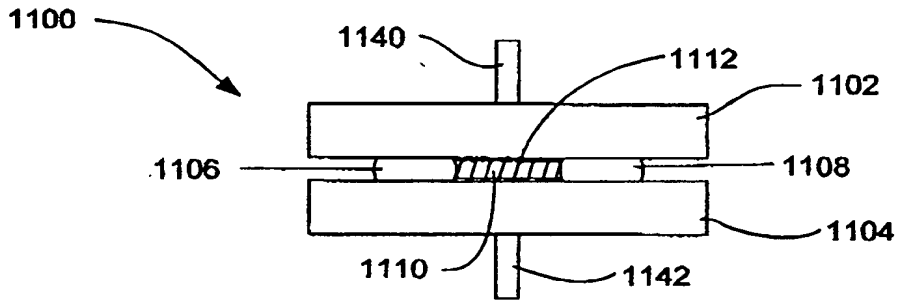

FIG. - 12

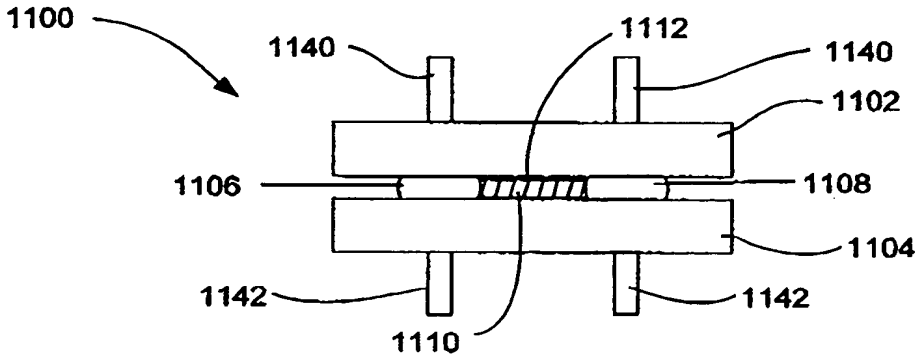

FIG. - 13

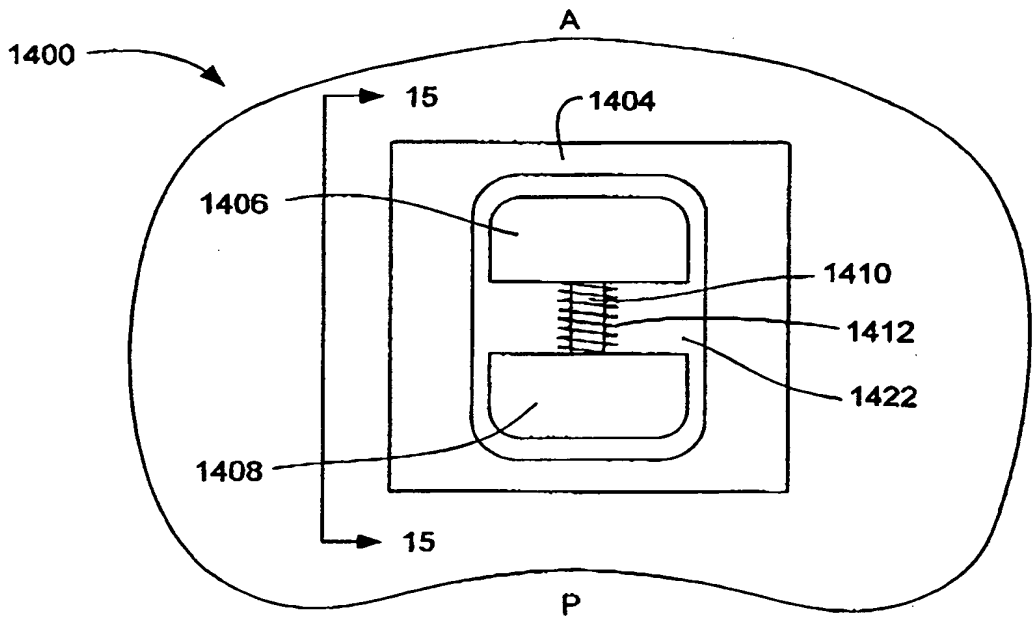
A
1400
15
1404
1406
1410
1412
1422
1408
15
P

FIG. - 14

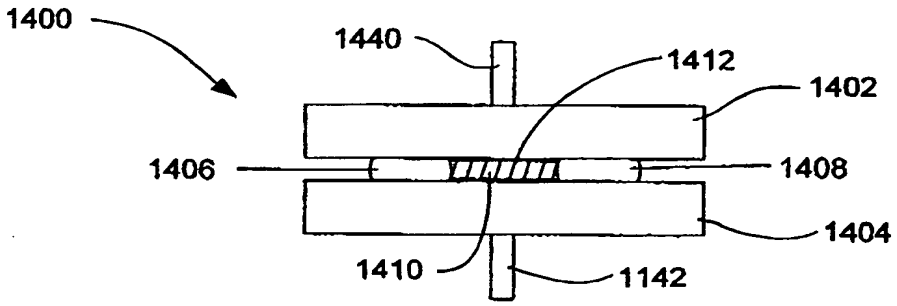
1400
1440
1412
1402
1406
1408
1404
1410
1142

FIG. - 15